TECHNICAL UNIVERSITY OF MOMBASA

ISO 9001:2015 Certified

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PROGRAMME BROCHURE · DIPLOMA

Computer Science Technologist Level 6

6 Semester(s) · Full Time · Institute of Computing and Informatics

Qualification level	Diploma
Duration	6 Semester(s)
Mode of study	Full Time
Awarded by	Technical University of Mombasa
Sponsorship	Self-Sponsored
School / institute	Institute of Computing and Informatics
Department	Computer Science and Information Technology
Programme code	0610 654 A

Overview

The Computer Science Level 6 programme is designed to train a competent computer science technologist who can respond to societal needs through the use of computer applications, software design and development, computer networks, and computer systems maintenance.

The programme is motivated by the need for Kenya to harness computing science for increased productivity and effectiveness across all sectors of the economy, promote socio-economic awareness of computing, participate effectively in the global technological economy, and address the increasing demand for computer science professionals in the world of work. The programme aims to equip students with adequate skills in computer applications, design and development of software and networks, and maintenance of computer systems.

Entry requirements

A candidate who wishes to be admitted into the programme must have the minimum University entry requirements and satisfy either of the following:

A minimum aggregate grade of **C- (Minus)** in the Kenya Certificate of Secondary Education (KCSE).

OR

A pass in the **Certificate in Information Technology and Computer Maintenance (CICM)** or an equivalent course from a recognized institution.

What you will learn

The curriculum identifies competencies that a trainee must achieve to perform work in the ICT sector. By completing the relevant units of competency, trainees are expected to be able to:

- Perform document processing and basic computer operations.
- Install basic data communication devices and internet.
- Perform basic computer programming.
- Install and customize computers.

- Develop basic networking infrastructure.
- Perform basic database systems operations.
- Perform computer workshop safety and maintenance.
- Develop information security systems.

Career prospects

The curriculum does not explicitly list career prospects or job titles for graduates of the Computer Science Technologist Level 6 qualification. It identifies the competencies required for work in the ICT sector, including computer operations, programming, computer installation and maintenance, networking, databases, and information security.

Potential employment areas suggested by the competencies covered in the curriculum include:

- Computer Technician
- ICT Support Technician
- Computer Network Technician
- Computer Maintenance Technician
- Junior Programmer
- Database Support Technician
- Web Support Technician
- Information Security Support Technician
- Computer Installation Technician
- ICT Field Technician

Fees

Computer Science and Information Technology- Diploma Fee structure · amounts in KES per semester (version 2)

	Semester 1	Semester 2	Year total
Year 1	41,505	36,005	**77,510**
Year 2	36,005	36,005	**72,010**
Year 3	36,005	36,005	**72,010**
Total for the programme			**221,530**
Application fee (paid once, when you apply)			**1,500**

How to apply

Apply online through the student information system at **smis.tum.ac.ke/application/register**. Have your academic certificates, national ID or passport and a passport photograph ready. For admission dates, requirements for your intake and help with your application, contact the office above.

Contact us

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